

Project Fact Sheet

Santa Rosa Reclaimed Water Geysers Recharge Project (GRP)

GOALS

- The overall goal of the Santa Rosa Reclaimed Water GRP is to extend the life of The Geysers geothermal field, and serving as a wastewater disposal option for the City of Santa Rosa
- The GRP will also to increase effluent wastewater injection to the Geysers geothermal steamfield for additional power generation



PROJECT DESCRIPTION

This project will provide enhanced geothermal energy production and extend the life of the northwest portion of The Geysers steam field. Over the last 15 years declining steam pressure at The Geysers has reduced electricity capacity from a high of 1,600 MW to 850 MW today. This project will transport 11 million gallons of tertiary-treated reclaimed water from the City of Santa Rosa to the northwestern part of The Geysers steamfield where it will be injected in the geothermal reservoir. This project will extend the life of The Geysers steamfield

and increase electricity production by about 85 MW. The project also will provide research opportunities with potential to benefit the entire geothermal industry and royalties on state and federal leases due to increased steam production. Commission funds will be used to purchase pipe and materials as part the construction of a 34-mile pipeline and associated facilities.

BENEFITS TO CALIFORNIA

This project will:

- Increase the future steam production from The Geysers reservoir by 85 MW of renewable electricity;
- Lower power generation costs due to fluid-use improvements that will enhance the competitiveness of several Geysers power plants, and extend the productive life of the steamfield;
- Improve the quality of injection fluid and steam, and reduce air pollution abatement costs

- Maintain and strengthen California’s leadership in public/private geothermal partnerships between local communities and geothermal industry;
- Create construction jobs;
- Contribute to the local economy through construction-related local goods and services;
- Retain local jobs and enable growth; and
- Increase local county revenues.

FUNDING AMOUNT

Commission	\$ 3,563,000
Match	\$ 122,000,000
Total	\$ 125,563,000

PROJECT STATUS

Completed.

FOR MORE INFORMATION

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